

Table 35. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 1999

Page 1 of 4

Employment sector/occupation	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
All sectors.....	553,360	443,120	13,300	81,100	14,020	1,820
Scientists.....	342,140	280,320	7,460	43,730	9,340	1,280
Computer and information scientists.....	32,740	21,660	380	9,930	750	S
Mathematical scientists.....	19,650	15,440	400	3,220	570	S
Life and related scientists.....	104,030	84,250	1,830	14,760	2,830	360
Physical and related scientists.....	75,350	61,590	1,150	10,660	1,690	270
Social scientists.....	45,460	38,110	1,800	3,810	1,460	280
Psychologists.....	64,910	59,270	1,900	1,360	2,040	330
Engineers.....	74,600	50,680	1,190	20,990	1,620	120
Non-S&E occupations.....	136,630	112,120	4,640	16,390	3,060	420
Universities and 4-year colleges.....	240,080	198,300	7,190	26,270	7,410	920
Scientists.....	176,060	146,000	4,750	19,040	5,550	720
Computer and information scientists.....	7,780	6,100	170	1,360	140	S
Mathematical scientists.....	13,710	10,920	250	2,030	490	S
Life and related scientists.....	64,420	52,460	1,250	8,790	1,750	170
Physical and related scientists.....	33,320	27,960	590	3,580	990	210
Social scientists.....	34,300	28,700	1,510	2,660	1,200	220
Psychologists.....	22,530	19,860	980	620	980	100
Engineers.....	22,370	17,000	580	4,110	630	50
Non-S&E occupations.....	41,650	35,300	1,860	3,120	1,220	150
Other educational institutions.....	15,710	13,320	840	1,090	360	100
Scientists.....	9,600	8,330	320	710	200	S
Computer and information scientists.....	190	170	S	S	S	S
Mathematical scientists.....	790	610	S	170	S	S
Life and related scientists.....	2,040	1,780	S	150	70	S
Physical and related scientists.....	2,070	1,750	90	200	S	S
Social scientists.....	1,090	960	70	S	S	S
Psychologists.....	3,400	3,060	100	130	80	S
Engineers.....	210	150	S	60	S	S
Non-S&E occupations.....	5,900	4,850	520	320	170	50
Private-for-profit.....	185,720	135,170	2,520	43,790	3,870	370
Scientists.....	86,520	64,770	1,120	18,430	2,030	180
Computer and information scientists.....	21,610	13,040	150	7,830	580	S
Mathematical scientists.....	2,740	1,880	100	720	S	S
Life and related scientists.....	20,720	15,980	260	3,700	690	100
Physical and related scientists.....	27,020	20,660	370	5,560	400	S
Social scientists.....	3,110	2,610	60	380	S	S
Psychologists.....	11,340	10,590	180	240	290	S
Engineers.....	42,070	25,890	500	14,930	700	S
Non-S&E occupations.....	57,130	44,510	910	10,430	1,130	150
Self-employed.....	30,400	27,710	390	1,600	560	150
Scientists.....	19,780	18,570	240	440	390	130
Computer and information scientists.....	850	720	S	120	S	S
Mathematical scientists.....	220	190	S	S	S	S
Life and related scientists.....	1,670	1,530	S	100	S	S
Physical and related scientists.....	1,070	940	S	120	S	S
Social scientists.....	1,090	1,010	S	S	S	S
Psychologists.....	14,890	14,180	230	70	310	90
Engineers.....	1,670	1,410	S	210	S	S
Non-S&E occupations.....	8,950	7,730	130	940	130	S

See explanatory information and SOURCE at end of table.

Table 35. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 1999

Page 2 of 4

Employment sector/occupation	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
Private not-for-profit.....	27,540	23,460	760	2,710	520	80
Scientists.....	15,710	13,560	280	1,510	290	70
Computer and information scientists.....	970	630	S	310	S	S
Mathematical scientists.....	660	600	S	S	S	S
Life and related scientists.....	4,050	3,360	50	520	90	S
Physical and related scientists.....	2,200	1,900	S	280	S	S
Social scientists.....	1,640	1,350	S	230	S	S
Psychologists.....	6,200	5,730	140	140	150	S
Engineers.....	2,000	1,310	S	610	70	S
Non-S&E occupations.....	9,830	8,590	480	600	150	S
Federal Government.....	37,250	31,840	890	3,670	730	120
Scientists.....	24,530	20,850	460	2,600	520	90
Computer and information scientists.....	1,030	840	S	170	S	S
Mathematical scientists.....	1,370	1,070	S	260	S	S
Life and related scientists.....	9,160	7,490	180	1,300	160	S
Physical and related scientists.....	8,160	7,110	90	720	210	S
Social scientists.....	2,540	2,230	100	130	50	S
Psychologists.....	2,260	2,110	70	S	60	S
Engineers.....	5,110	4,290	50	680	70	S
Non-S&E occupations.....	7,620	6,690	370	390	140	S
State and local government.....	14,870	12,100	610	1,710	380	80
Scientists.....	8,740	7,420	280	770	220	S
Computer and information scientists.....	310	160	S	120	S	S
Mathematical scientists.....	110	110	S	S	S	S
Life and related scientists.....	1,810	1,550	S	190	S	S
Physical and related scientists.....	1,390	1,150	S	200	S	S
Social scientists.....	870	720	S	120	S	S
Psychologists.....	4,260	3,740	200	140	160	S
Engineers.....	1,000	530	S	360	70	S
Non-S&E occupations.....	5,140	4,150	300	580	90	S
Other sector.....	1,790	1,220	100	270	190	S
Scientists.....	1,190	820	S	230	130	S
Computer and information scientists.....	S	S	S	S	S	S
Mathematical scientists.....	60	60	S	S	S	S
Life and related scientists.....	150	120	S	S	S	S
Physical and related scientists.....	120	110	S	S	S	S
Social scientists.....	830	520	S	200	80	S
Psychologists.....	S	S	S	S	S	S
Engineers.....	170	110	S	S	S	S
Non-S&E occupations.....	420	300	80	S	S	S

See explanatory information and SOURCE at end of table.

Table 35. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 1999

Page 3 of 4

Employment sector/occupation	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Percent]						
All sectors.....	100.0	80.1	2.4	14.7	2.5	0.3
Scientists.....	100.0	81.9	2.2	12.8	2.7	0.4
Computer and information scientists.....	100.0	66.2	1.2	30.3	2.3	S
Mathematical scientists.....	100.0	78.6	2.0	16.4	2.9	S
Life and related scientists.....	100.0	81.0	1.8	14.2	2.7	0.3
Physical and related scientists.....	100.0	81.7	1.5	14.1	2.2	0.4
Social scientists.....	100.0	83.8	4.0	8.4	3.2	0.6
Psychologists.....	100.0	91.3	2.9	2.1	3.1	0.5
Engineers.....	100.0	67.9	1.6	28.1	2.2	0.2
Non-S&E occupations.....	100.0	82.1	3.4	12.0	2.2	0.3
Universities and 4-year colleges.....	100.0	82.6	3.0	10.9	3.1	0.4
Scientists.....	100.0	82.9	2.7	10.8	3.2	0.4
Computer and information scientists.....	100.0	78.4	2.2	17.5	1.8	S
Mathematical scientists.....	100.0	79.7	1.9	14.8	3.6	S
Life and related scientists.....	100.0	81.4	1.9	13.6	2.7	0.3
Physical and related scientists.....	100.0	83.9	1.8	10.7	3.0	0.6
Social scientists.....	100.0	83.7	4.4	7.8	3.5	0.6
Psychologists.....	100.0	88.1	4.3	2.7	4.3	0.4
Engineers.....	100.0	76.0	2.6	18.4	2.8	0.2
Non-S&E occupations.....	100.0	84.8	4.5	7.5	2.9	0.4
Other educational institutions.....	100.0	84.8	5.3	6.9	2.3	0.6
Scientists.....	100.0	86.8	3.3	7.4	2.1	S
Computer and information scientists.....	100.0	90.4	S	S	S	S
Mathematical scientists.....	100.0	77.0	S	21.1	S	S
Life and related scientists.....	100.0	87.0	S	7.4	3.2	S
Physical and related scientists.....	100.0	84.1	4.3	9.8	S	S
Social scientists.....	100.0	87.7	6.1	S	S	S
Psychologists.....	100.0	90.0	3.0	3.8	2.2	S
Engineers.....	100.0	69.7	S	29.1	S	S
Non-S&E occupations.....	100.0	82.1	8.8	5.4	2.8	0.9
Private-for-profit.....	100.0	72.8	1.4	23.6	2.1	0.2
Scientists.....	100.0	74.9	1.3	21.3	2.4	0.2
Computer and information scientists.....	100.0	60.3	0.7	36.3	2.7	S
Mathematical scientists.....	100.0	68.8	3.7	26.2	S	S
Life and related scientists.....	100.0	77.1	1.3	17.8	3.3	0.5
Physical and related scientists.....	100.0	76.5	1.4	20.6	1.5	S
Social scientists.....	100.0	84.2	2.0	12.3	S	S
Psychologists.....	100.0	93.4	1.6	2.1	2.5	S
Engineers.....	100.0	61.5	1.2	35.5	1.7	S
Non-S&E occupations.....	100.0	77.9	1.6	18.3	2.0	0.3
Self-employed.....	100.0	91.2	1.3	5.3	1.8	0.5
Scientists.....	100.0	93.9	1.2	2.2	2.0	0.7
Computer and information scientists.....	100.0	84.1	S	13.7	S	S
Mathematical scientists.....	100.0	89.5	S	S	S	S
Life and related scientists.....	100.0	91.2	S	6.0	S	S
Physical and related scientists.....	100.0	88.6	S	10.8	S	S
Social scientists.....	100.0	92.8	S	S	S	S
Psychologists.....	100.0	95.3	1.5	0.5	2.1	0.6
Engineers.....	100.0	84.2	S	12.7	S	S
Non-S&E occupations.....	100.0	86.4	1.5	10.5	1.5	S

See explanatory information and SOURCE at end of table.

Table 35. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 1999

Page 4 of 4

Employment sector/occupation	Total	White ¹	Black	Asian or Pacific Islander	Hispanic	American Indian/Alaskan Native
[Percent]						
Private not-for-profit.....	100.0	85.2	2.8	9.9	1.9	0.3
Scientists.....	100.0	86.3	1.8	9.6	1.9	0.4
Computer and information scientists.....	100.0	65.3	S	32.5	S	S
Mathematical scientists.....	100.0	90.8	S	S	S	S
Life and related scientists.....	100.0	82.9	1.3	12.7	2.2	S
Physical and related scientists.....	100.0	86.3	S	12.6	S	S
Social scientists.....	100.0	82.3	S	14.2	S	S
Psychologists.....	100.0	92.4	2.3	2.3	2.4	S
Engineers.....	100.0	65.5	S	30.4	3.5	S
Non-S&E occupations.....	100.0	87.4	4.9	6.1	1.6	S
Federal Government.....	100.0	85.5	2.4	9.9	2.0	0.3
Scientists.....	100.0	85.0	1.9	10.6	2.1	0.4
Computer and information scientists.....	100.0	81.0	S	16.0	S	S
Mathematical scientists.....	100.0	78.3	S	19.3	S	S
Life and related scientists.....	100.0	81.8	1.9	14.2	1.8	S
Physical and related scientists.....	100.0	87.1	1.1	8.8	2.6	S
Social scientists.....	100.0	87.8	3.8	5.3	2.1	S
Psychologists.....	100.0	93.2	3.1	S	2.5	S
Engineers.....	100.0	84.1	1.0	13.3	1.4	S
Non-S&E occupations.....	100.0	87.9	4.9	5.1	1.9	S
State and local government.....	100.0	81.3	4.1	11.5	2.5	0.5
Scientists.....	100.0	84.9	3.2	8.8	2.5	S
Computer and information scientists.....	100.0	52.5	S	37.6	S	S
Mathematical scientists.....	100.0	100.0	S	S	S	S
Life and related scientists.....	100.0	85.3	S	10.4	S	S
Physical and related scientists.....	100.0	82.8	S	14.6	S	S
Social scientists.....	100.0	83.1	S	14.0	S	S
Psychologists.....	100.0	87.8	4.8	3.2	3.7	S
Engineers.....	100.0	52.8	S	36.4	6.9	S
Non-S&E occupations.....	100.0	80.7	5.7	11.2	1.7	S
Other sector.....	100.0	68.5	5.5	14.9	10.5	S
Scientists.....	100.0	68.5	S	19.2	10.8	S
Computer and information scientists.....	100.0	S	S	S	S	S
Mathematical scientists.....	100.0	100.0	S	S	S	S
Life and related scientists.....	100.0	75.6	S	S	S	S
Physical and related scientists.....	100.0	93.1	S	S	S	S
Social scientists.....	100.0	63.2	S	24.7	10.0	S
Psychologists.....	100.0	S	S	S	S	S
Engineers.....	100.0	63.4	S	S	S	S
Non-S&E occupations.....	100.0	70.6	19.8	S	S	S

¹ 'Other' race included with 'white'.

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&E=science and engineering.

NOTES: The race/ethnicity data shown are for all doctoral recipients, including temporary residents. Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients